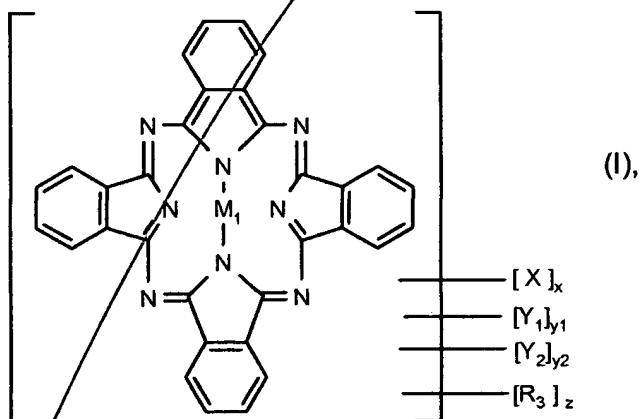


## IN THE CLAIMS

Kindly amend the claims to read as follows.

1. (cancelled).

2. (previously amended): A process according to claim 8 wherein the metallocenyl-phthalocyanine compound is represented by formula I



wherein

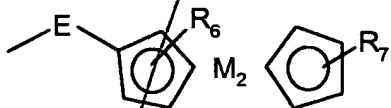
M<sub>1</sub> is a divalent metal, an oxometal group, halogenometal group or hydroxymetal group, or two hydrogen atoms,

X is halogen

Y<sub>1</sub> is -OR<sub>1</sub>, -OOC-R<sub>2</sub>, -NHR<sub>1</sub>, -N(R<sub>1</sub>)R<sub>2</sub>,

Y<sub>2</sub> is -SR<sub>1</sub>,

R<sub>3</sub> is



R<sub>6</sub> and R<sub>7</sub> are each independently of the other hydrogen, halogen, C<sub>1</sub>-C<sub>4</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, amino-C<sub>1</sub>-C<sub>4</sub>alkyl, diarylphosphine, or phosphorus-containing C<sub>1</sub>-C<sub>4</sub>alkyl,

x may be a rational number from 0 to 8

y<sub>1</sub> and y<sub>2</sub> may be each independently of the other a rational number from 0 to 6

z may be a number from 1 to 4,

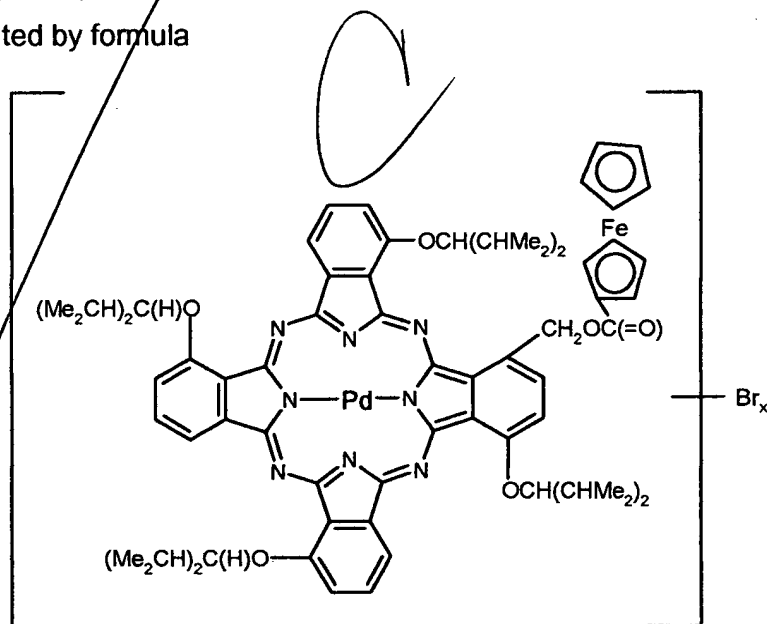
wherein  $(x + y_1 + y_2 + z)$  is  $\leq 16$ ,

and wherein  $R_1$  and  $R_2$  may be each independently of the other

$C_1$ - $C_{20}$ alkyl which is unsubstituted or substituted by halogen, hydroxy,  $C_1$ - $C_{20}$ alkoxy,  $C_1$ - $C_{20}$ alkylamino or  $C_2$ - $C_{20}$ dialkylamino and which may be interrupted by  $-O-$ ,  $-S-$ ,  $-NH-$  or  $-NR_{10}-$ , wherein  $R_{10}$  may be  $C_1$ - $C_6$ alkyl,

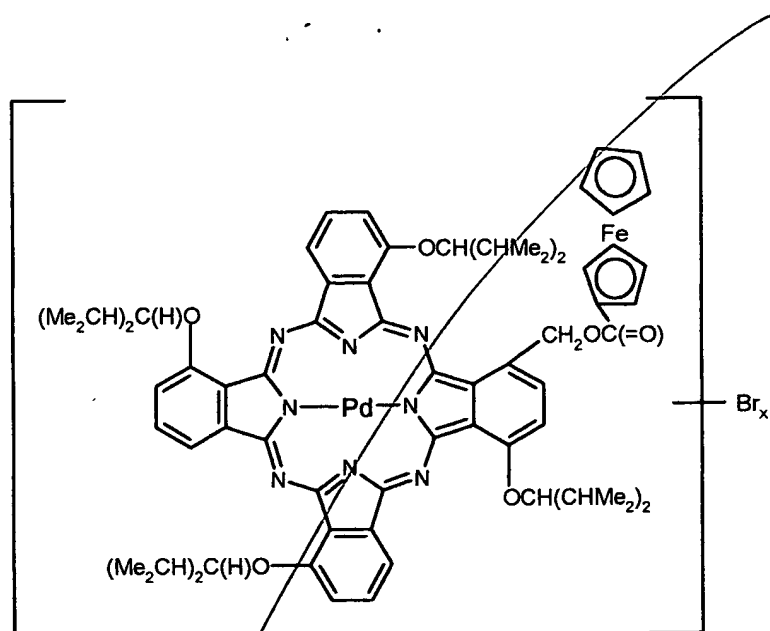
$C_5$ - $C_{20}$ cycloalkyl,  $C_2$ - $C_{20}$ alkenyl,  $C_5$ - $C_{12}$ cycloalkenyl,  $C_2$ - $C_{20}$ alkynyl,  $C_6$ - $C_{18}$ aryl or  $C_7$ - $C_{18}$ aralkyl, and wherein one or two ligands may optionally be bound to the divalent metal atom, the oxometal group, halogenometal group or hydroxymetal group, and E being composed of a chain of at least two members selected from the group consisting of  $-CH_2-$ ,  $-C(=O)-$ ,  $-CH(C_1-C_4alkyl)-$ ,  $-C(C_1-C_4alkyl)_2-$ ,  $-NH-$ ,  $-S-$ ,  $-O-$  and  $-CH=CH-$ .

3. (currently amended): A-A process according to claim 8 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 2.6$  to  $3.0$ , preferably  $2.7$  to  $2.9$ , more preferably  $2.8$ .

4. (currently amended): A-A process according to claim 8 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 0$  to  $0.5$ .

B2  
cont.

5-7. (cancelled).

8. (currently amended) A process for the manufacture of optical recording medium having at least one recording layer comprising the steps of

a) incorporating a metallocenyl-phthalocyanine or its metal complex of a divalent metal, oxometal, halogenometal or hydroxymetal, in which at least one of the four phenyl rings of the phthalocyanines contains, bound via a bridge unit E, at least one metallocene radical as substituent, E being composed of a chain of at least two members selected from the group consisting of  $-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{CH}(\text{C}_1-\text{C}_4\text{alkyl})-$ ,  $-\text{C}(\text{C}_1-\text{C}_4\text{alkyl})_2-$ ,  $-\text{NH}-$ ,  $-\text{S}-$ ,  $-\text{O}-$  and  $-\text{CH}=\text{CH}-$  into said recording layer, wherein the substrate is a homo- or copolymeric plastic.

9. (currently amended): An optical recording medium, which comprises a metallocenyl-phthalocyanine or its metal complex of a divalent metal, oxometal, halogenometal or hydroxymetal, in which at least one of the four phenyl rings of the phthalocyanines contains, bound via a bridge unit E, at least one metallocene radical as substituent, E being composed of a chain of at least two members selected from the group consisting of  $-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{CH}(\text{C}_1-\text{C}_4\text{alkyl})-$ ,  $-\text{C}(\text{C}_1-\text{C}_4\text{alkyl})_2-$ ,  $-\text{NH}-$ ,  $-\text{S}-$ ,  $-\text{O}-$  and  $-\text{CH}=\text{CH}-$  and a substrate which is a homo- or copolymeric plastic.

10. (previously amended): An optical recording medium, which consists essentially of a transparent substrate, a recording layer on that substrate, a reflection layer on the recording layer and, if desired,

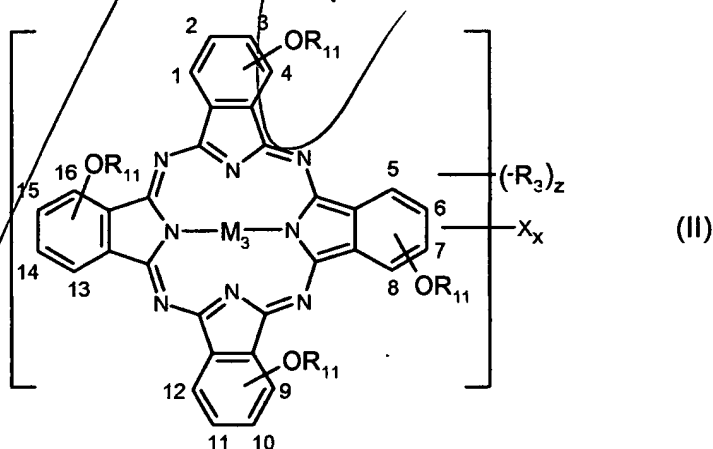
a final protective layer, the recording layer comprising a metallocenyl-phthalocyanine or its metal complex of a divalent metal, oxometal, halogenometal or hydroxymetal, in which at least one of the four phenyl rings of the phthalocyanines contains, bound via a bridge unit E, at least one metallocene radical as substituent, E being composed of a chain of at least two members selected from the group consisting of  $-\text{CH}_2-$ ,  $-\text{C}(=\text{O})-$ ,  $-\text{CH}(\text{C}_1-\text{C}_4\text{alkyl})-$ ,  $-\text{C}(\text{C}_1-\text{C}_4\text{alkyl})_2-$ ,  $-\text{NH}-$ ,  $-\text{S}-$ ,  $-\text{O}-$  and  $-\text{CH}=\text{CH}-$ .

11. (previously amended): A process according to claim 8 wherein the optical recording medium is a DVD, a diffractive-optical element or medium for recording a hologram.

12. (previously added): A process for the manufacture of optical recording medium having at least one recording layer comprising the steps of

a) incorporating mixture, which comprises

(a) 60 to 95 mol % of a compound II

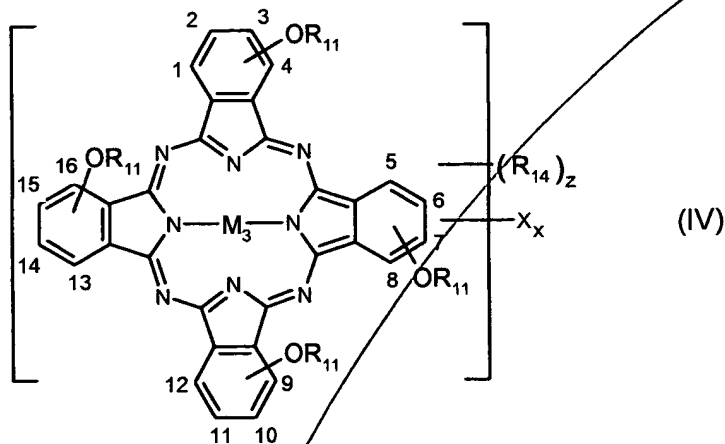


containing one radical  $\text{R}_3$  ( $z = 1$ ),

(b) 5 to 20 mol % of a compound II containing two radicals  $\text{R}_3$  ( $z = 2$ ),

and

(c) 0 to 25 mol % of a compound IV

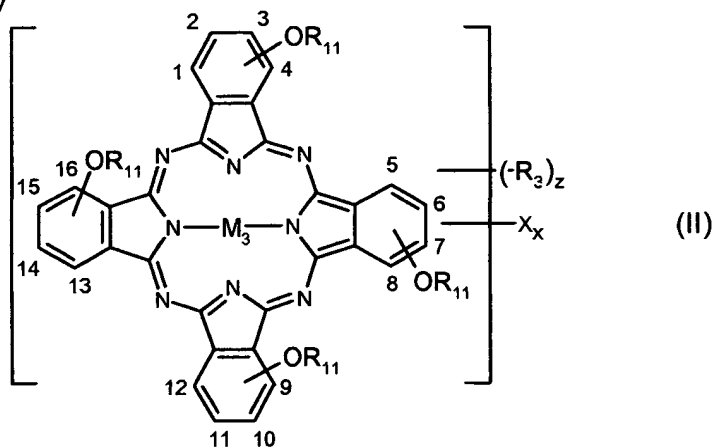


wherein  $-OR_{11}$ ,  $R_3 = R_{14}$ ,  $X$  and  $M_3$  each have the same meaning in formulae II and IV and are as defined in claim 2, the mol-% amounts making up 100% into said recording layer.

13. (previously added): A process according to claim 2 wherein the optical recording medium is a DVD, a diffractive-optical element or medium for recording a hologram.

14. (previously added): A process for the manufacture of optical recording medium having at least one recording layer comprising the steps of

- a) incorporating a mixture, which comprises  
 (a) 60 to 95 mol % of a compound II

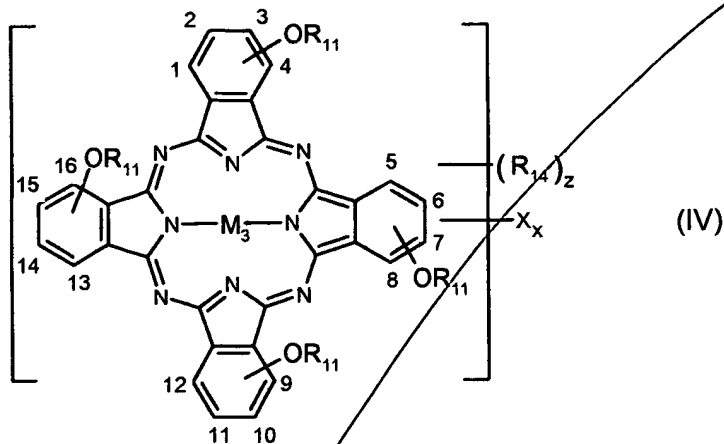


containing one radical  $R_3$  ( $z = 1$ ),

wherein  $R_{11}$  is  $C_1$ - $C_{12}$  alkyl and  $M_3$  is palladium or copper, and  $z$  is 1,

(b) 5 to 20 mol % of a compound II containing two  $R_3$  ( $z = 2$ ), and

(c) 0 to 25 mol % of a compound IV

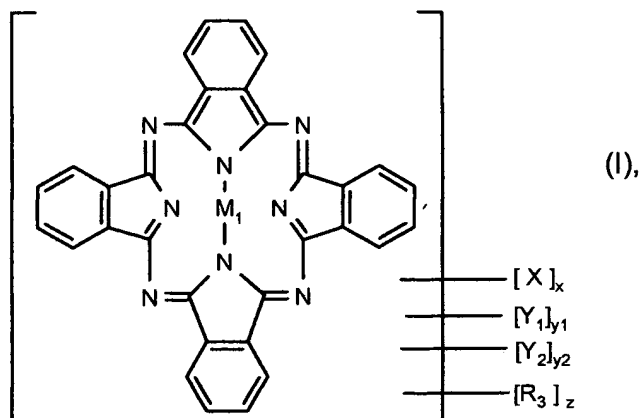


wherein  $R_{14}$  may be  $-\text{CHO}$ ,  $-\text{CH}_2\text{OH}$ ,  $-\text{COOH}$ ,  $-\text{CH}_2\text{OC}(\text{O})-\text{C}_1-\text{C}_4\text{alkyl}$  or an acetal, and  $z$  may be 1 or 2,

wherein  $-\text{OR}_{11}$ ,  $R_3 = R_{14}$ ,  $X$  and  $M_3$  each have the same meanings in formulae II and IV and are as defined for claim 2, the mol-% amounts making up 100% into said recording layer.

15. (previously added): A process according to claim 14 wherein the optical recording medium is a DVD, a diffractive-optical element or medium for recording a hologram.

16. (previously added): An optical recording medium according to claim 9 wherein the metallocenyl-phthalocyanine compound is represented by formula I



wherein

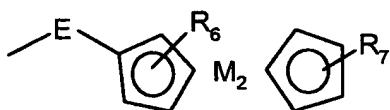
$M_1$  is a divalent metal, an oxometal group, halogenometal group or hydroxymetal group, or two hydrogen atoms,

$X$  is halogen

$Y_1$  is  $-\text{OR}_1$ ,  $-\text{OOC}-\text{R}_2$ ,  $-\text{NHR}_1$ ,  $-\text{N}(\text{R}_1)\text{R}_2$ ,

$Y_2$  is  $-SR_1$ ,

$R_3$  is



$R_6$  and  $R_7$  are each independently of the other hydrogen, halogen,  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, amino- $C_1$ - $C_4$ alkyl, diarylphosphine, or phosphorus-containing  $C_1$ - $C_4$ alkyl,

$x$  may be a rational number from 0 to 8

$y_1$  and  $y_2$  may be each independently of the other a rational number from 0 to 6

$z$  may be a number from 1 to 4,

wherein  $(x + y_1 + y_2 + z)$  is  $\leq 16$ ,

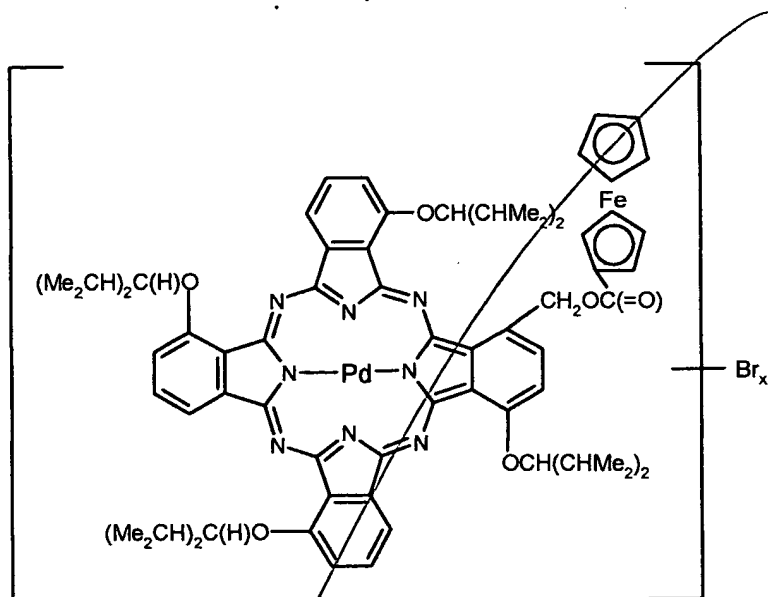
and wherein  $R_1$  and  $R_2$  may be each independently of the other

$C_1$ - $C_{20}$ alkyl which is unsubstituted or substituted by halogen, hydroxy,  $C_1$ - $C_{20}$ alkoxy,  $C_1$ - $C_{20}$ alkylamino or  $C_2$ - $C_{20}$ dialkylamino and which may be interrupted by  $-O-$ ,  $-S-$ ,  $-NH-$  or  $-NR_{10}-$ , wherein  $R_{10}$  may be  $C_1$ - $C_6$ alkyl,

$C_5$ - $C_{20}$ cycloalkyl,  $C_2$ - $C_{20}$ alkenyl,  $C_5$ - $C_{12}$ cycloalkenyl,  $C_2$ - $C_{20}$ alkynyl,  $C_6$ - $C_{18}$ aryl or  $C_7$ - $C_{18}$ aralkyl,

and wherein one or two ligands may optionally be bound to the divalent metal atom, the oxometal group, halogenometal group or hydroxymetal group, and  $E$  being composed of a chain of at least two members selected from the group consisting of  $-CH_2-$ ,  $-C(=O)-$ ,  $-CH(C_1-C_4alkyl)-$ ,  $-C(C_1-C_4alkyl)_2-$ ,  $-NH-$ ,  $-S-$ ,  $-O-$  and  $-CH=CH-$ .

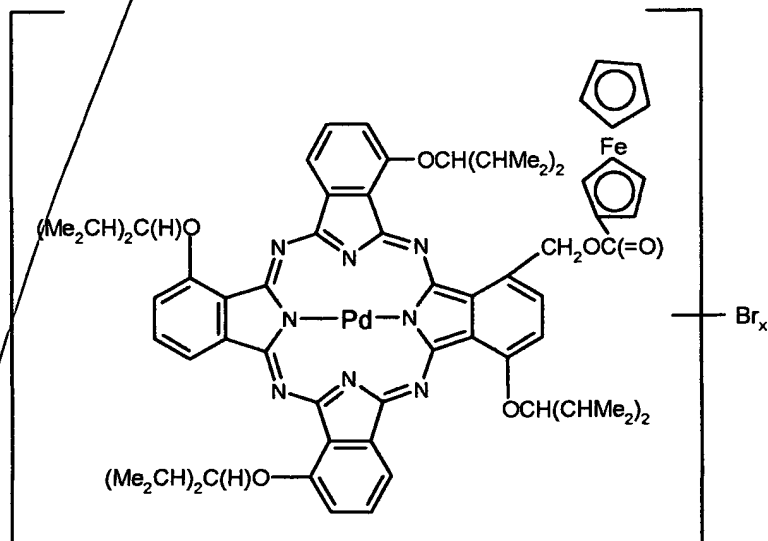
17. (currently amended): An optical recording medium according to claim 9 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 2.6$  to  $3.0$ , preferably  $2.7$  to  $2.9$ , more preferably  $2.8$ .

18. (previously added): An optical recording medium according to claim 17 wherein the optical recording medium is a DVD, a diffractive-optical element or medium for recording a hologram.

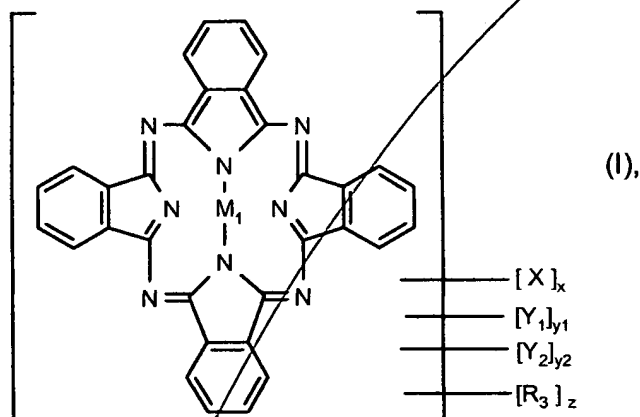
19. (previously added): An optical recording medium according to claim 9 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 0$  to  $0.5$ .



20. (previously added): An optical recording medium according to claim 10 wherein the metallocenyl-phthalocyanine compound is represented by formula I



wherein

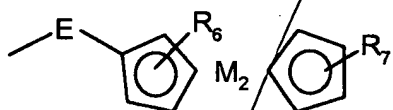
$M_1$  is a divalent metal, an oxometal group, halogenometal group or hydroxymetal group, or two hydrogen atoms,

$X$  is halogen

$Y_1$  is  $-OR_1$ ,  $-OOC-R_2$ ,  $-NHR_1$ ,  $-N(R_1)R_2$

$Y_2$  is  $-SR_1$ ,

$R_3$  is



$R_6$  and  $R_7$  are each independently of the other hydrogen, halogen,  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, amino- $C_1$ - $C_4$ alkyl, diarylphosphine, or phosphorus-containing  $C_1$ - $C_4$ alkyl,

$x$  may be a rational number from 0 to 8

$y_1$  and  $y_2$  may be each independently of the other a rational number from 0 to 6

$z$  may be a number from 1 to 4,

wherein  $(x + y_1 + y_2 + z)$  is  $\leq 16$ ,

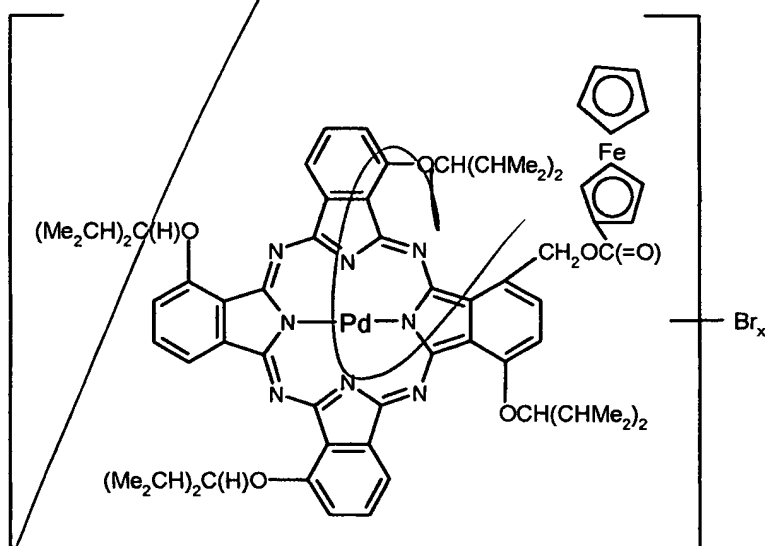
and wherein  $R_1$  and  $R_2$  may be each independently of the other

$C_1$ - $C_{20}$ alkyl which is unsubstituted or substituted by halogen, hydroxy,  $C_1$ - $C_{20}$ alkoxy,  $C_1$ - $C_{20}$ alkylamino or  $C_2$ - $C_{20}$ dialkylamino and which may be interrupted by  $-O-$ ,  $-S-$ ,  $-NH-$  or  $-NR_{10}-$ , wherein  $R_{10}$  may

be  $C_1$ - $C_6$ alkyl,  $C_5$ - $C_{20}$ cycloalkyl,  $C_2$ - $C_{20}$ alkenyl,  $C_5$ - $C_{12}$ cycloalkenyl,  $C_2$ - $C_{20}$ alkynyl,  $C_6$ - $C_{18}$ aryl or  $C_7$ - $C_{18}$ aralkyl,

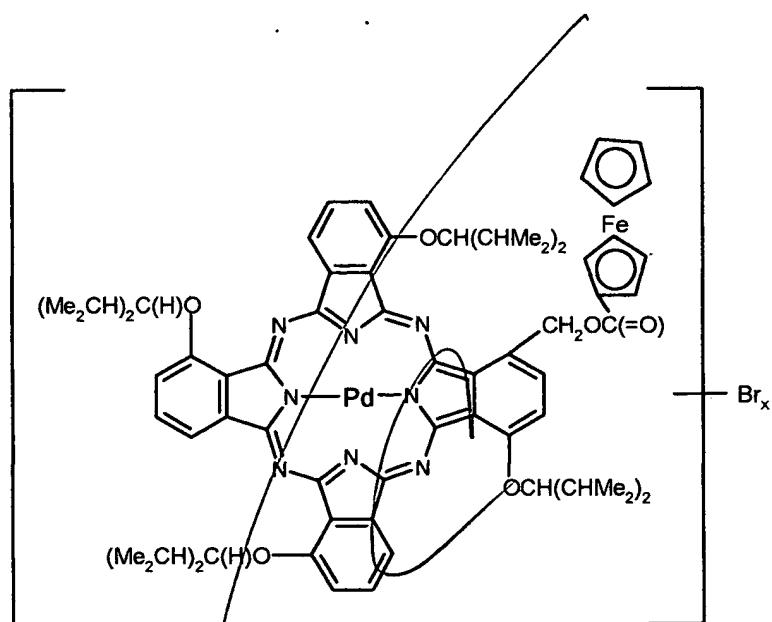
and wherein one or two ligands may optionally be bound to the divalent metal atom, the oxometal group, halogenometal group or hydroxymetal group, and E being composed of a chain of at least two members selected from the group consisting of  $-CH_2-$ ,  $-C(=O)-$ ,  $-CH(C_1-C_4\text{alkyl})-$ ,  $-C(C_1-C_4\text{alkyl})_2-$ ,  $-NH-$ ,  $-S-$ ,  $-O-$  and  $-CH=CH-$ .

21. (currently amended): An optical recording medium according to claim 10 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 2.6$  to  $3.0$ , preferably  $2.7$  to  $2.9$ , more preferably  $2.8$ .

22. (previously added): An optical recording medium according to claim 10 wherein the metallocenyl-phthalocyanine compound is represented by formula



where  $x = 2.6$  to  $3.0$ , preferably  $2.7$  to  $2.9$ , more preferably  $2.8$ .

23. (previously added): An optical recording medium according to claim 22 wherein the optical recording medium is a DVD, a diffractive-optical element or medium for recording a hologram.

## STATUS OF THE CLAIMS

Claims 2-4 and 8-23 are pending in this application.

Claims 3 and 4 are rejected under 35 U.S.C. § 112, second paragraph.

Claims 8, 9 and 11 are rejected under 35 U.S.C. § 102(b) as being anticipated by Cook et al.

Claims 8-11 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Cook et al. in view of published European Patent Application 811,506 and U.S. Patent No. 5,124,067 (Itoh et al.).

Claims 2-4, 8-9 and 23 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-5 of U.S. Patent No. 6,399,768.

Claims 3, 4, 8, 9, 17 and 21 have been amended.

Claims 2-4 and 8-23 are presented for reconsideration.

## REMARKS

The specification and claims have been amended in accord with the OG Notice of January 31, 2003. Additions are shown by underlining and deletions are shown by strikethrough. No new matter has been added.

The Examiner asserts that the specification should be amended to indicate the parent case has been patented. Responsive thereto applicants propose to amend the specification accordingly.

The Examiner rejects claims 3 and 4 under 35 U.S.C. § 112, second paragraph for beginning each claim with "A A". Responsive thereto applicants propose to cancel the first "A" in each claim. Additionally applicants propose to cancel multiple ranges in claims 3, 17 and 21. No new matter has been added.